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STARS
Student Teacher Accountability and Reporting System

Using SD-STARS
A Resource for Informing Instruction, Continuous Improvement and Making Data-driven Decisions

SD Education Conference Annual Kickoff

July 11, 2017, 1:20-3:30 p.m.

Brad Steckelberg, SLDS Support Lead

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Handouts

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http://doe.sd.gov/sdstars

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South Dakota's Statewide Longitudinal Data System

South Dakota – Student Teacher Accountability And Reporting System

The Student Teacher Accountability Reporting System (SD-STARS) is a State Longitudinal Data System (SLDS) that will drive the educational initiatives to improve instruction and student performance. The goal is for SD-STARS to securely consolidate and link all educational data that currently resides within the SD DOE. In other words, it pulls data that is already available from different sources (ex: Infinite Campus, assessments), dumps data into a centralized system, and links data together. This will increase data availability for reporting and analysis used by teachers, schools, districts, and the SD DOE as well as external sta[...] rs. SD-STARS will also allow for deeper and richer performance analysis by br[...] data together.

Expand the Trainings Section

+ Purpose, Components and Security

+ Upcoming DOE-Provided Trainings

Presentation Materials
The following materials were offered at recent SD-STARS presentations. These resources will remain available until the indicated date.
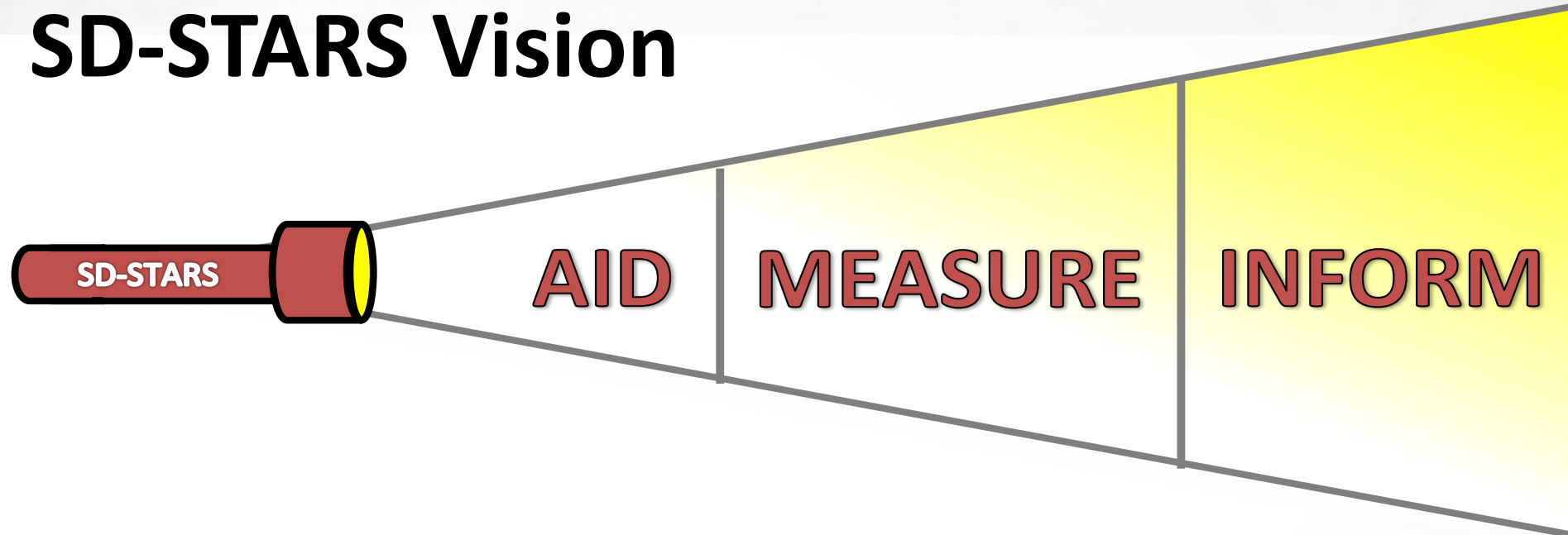
Resource	Available until

Using SD-STARS (2017 Title Conference Workshop)

Log-In Here

Data Sources and Reports

SD STARS Brochure

Institutional Review Board Approval

- What is SD-STARS?

- Login changes

- How SD-STARS can help Title Directors

- Answering Questions in SD-STARS

- Where we are going

What is SD-STARS?

SD-STARS District Manual

Section 1

SD-STARS Vision

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SD-STARS

AID | **MEASURE** | **INFORM**

AID: Educators have the ability to access and use high quality data to *aid* in informing instruction and decision-making.

MEASURE: Students' outcomes will be *measured* so educators can identify at-risk students, examine achievement gaps, evaluate programs, recognize strengths, and address areas for improvement.

INFORM: Stakeholders will develop a more holistic view of our education system and use that picture to *inform* systemic change.

SD-STARS is…

- A data warehouse
  - Gathers data from existing data collection systems
  - Reduces duplicate data collection
- A tool which allows data analysis that includes
  - Longitudinal information
  - Comprehensive data
  - Multiple variables from multiple measures of data
- A tool for reporting
  - Secure, based on job title (Districts set security)
  - Easy to navigate
  - Includes BI/analytical tools (STARS Analytics)

SD-STARS is NOT…

- A student information system

- A curriculum, instruction, or assessment management tool

- An operational or transactional system (such as a human resources system)
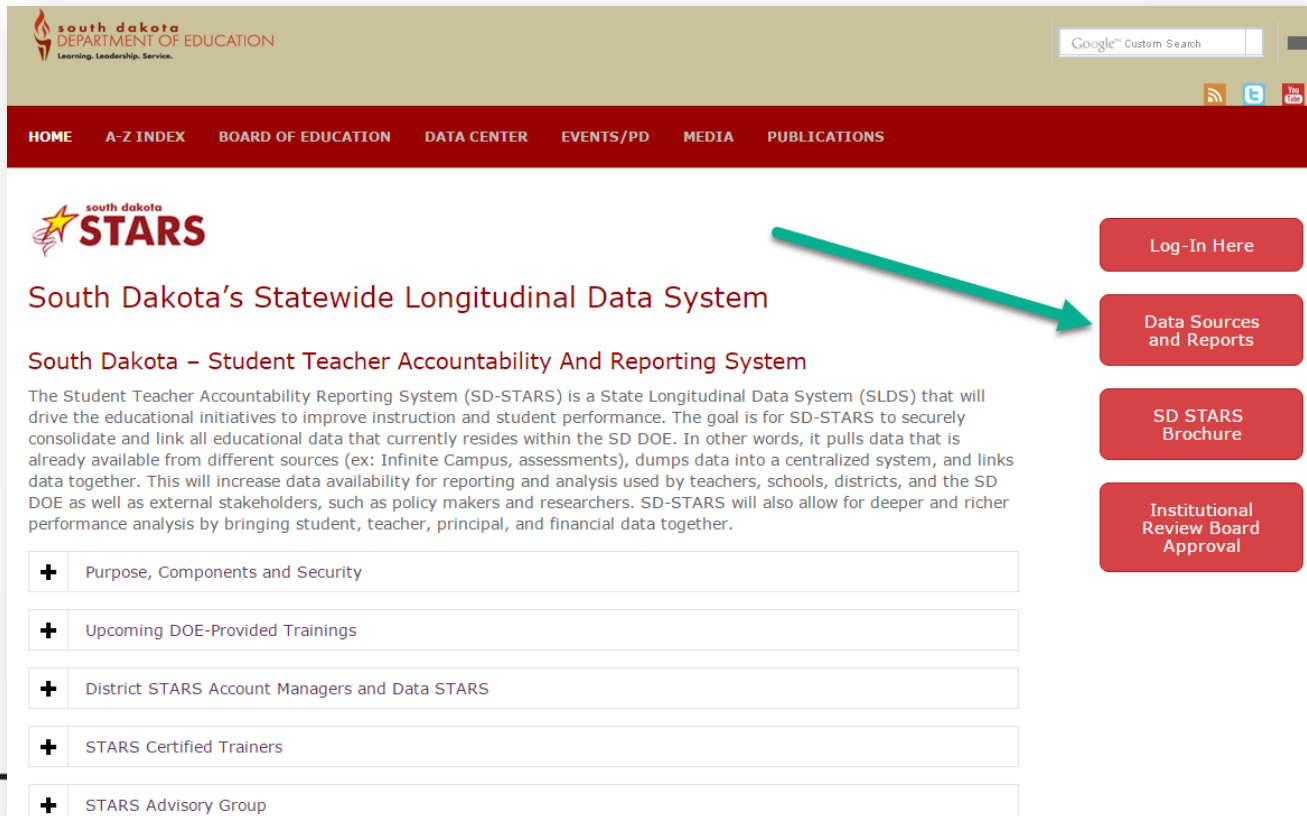
SD-STARS can integrate data from all of the above systems, for analytic purposes

Components

1st COMPONENT	2nd COMPONENT	3rd COMPONENT	4th COMPONENT

Sources — *Data Warehouse* — *Portal* — *Reports* — *Training*

Sources
- Student Information
- Assessments
- Others

Data Warehouse
SLDS
Statewide Longitudinal Data System

Portal
Secure website to access data

Reports
- Enrollment
- Assessment
- Attendance
- CTE
- Special Ed
- Early Warning
- Accountability

Training
Opportunities to learn
- Teachers
- Administrators
- Department

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Data Sources and Reports

A list of all current data sources within SD-STARS as well as reports available is available on the DOE website.

http://doe.sd.gov/sdstars

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Data Sources

Student Information

- Infinite Campus – District
- Infinite Campus - State
- PowerSchool
- Skyward

Career and College Readiness

- Perkins System
- Dual Credit
- NCRC
- ACT Test
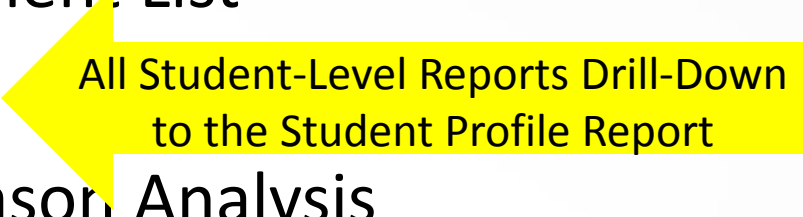- Accuplacer
- National Clearinghouse

State and Local Assessments

- Smarter Balanced/MSAA
- DSTEP/STEP-A Science
- ACCESS/ACCESS Alt
- End of Course
- Batelle Developmental Inventory
- DIBELS (U of O, DIBELS.net, VPORT)
- AIMSweb
- NWEA MAP

Other Systems

- Birth to Three
- Financial (AFR)
- Personnel (PRF)
- Certification
- Safe, Gun and Drug Free

Enrollment Reports

- EN.001.00-X: Enrollment Demographics
- EN.002.00-A: Student Enrollment List
- EN.003.01-A: Student Profile
- EN.004.00-X: Withdrawal Reason Analysis
- EN.005.00-A: Student Withdrawal List
- EN.006.00-A: Mobility Report (Includes Student List)
- EN.007.00-A/X: Fall Enrollment Census (Student or Aggregate)
- EN.008.02-A: McKinney-Vento Student Count
- EN.009.00-X: Special Education Trend

All Student-Level Reports Drill-Down to the Student Profile Report

Assessment Reports (SD Summative – SBAC)

- AS.001.01-A: Achievement Cut Score

- AS.002.01-A: ACT Stoplight

- AS.003.02-A: Assessment Detail Results

- AS.005.01-A: Student Longitudinal Achievement

- AS.006.01-A: Student Achievement Roster

- AS.007.01-A: Assessment Feedback Report

- AS.008.00-A: ACCESS Test Takers

Note: Reports ending in –A include student lists, which can be drilled-down to the student profile.

Local Assessment Reports (AIMSweb, Dibels, etc.)

- LA.001.00-A: Subtest Student List

- LA.002.00-A: Student Longitudinal Overall

- LA.003.00-A: Student Performance Comparison (DIBELS only)

- LA.004.00-X: Aggregate Proficiency

- LA.005.00-X: Aggregate Proficiency School List

- LA.006.00-X: Aggregate Growth

- LA.007.00-X: Cohort Progress

Assessment Vendors require permissions forms.
Find each vendor's form in the Training Center.

Attendance Reports

- AT.001.00-X: Attendance Demographics

- AT.002.00-A: Student Attendance List

Early Warning Reports

- EW.001.00-A: Early Warning

Student Outcomes Reports

- SO.001.01-A: Student Assessment and Course Grade Analysis

Note: Reports ending in –X are Aggregate reports, which are useful for spotting trends.

Special Education Reports

- SP.003.00-A: Special Education Exiter

- SP.004.00-A: SPED Accountability Student List

- SP.005.00-X: SPED Participation Rate

- SP.006.00-X: SPED Proficiency Rate

- SP.007.00-X: SPED Performance Plan

Note: Due to the Smarter Balanced Pilot, few schools, if any, will show SBAC results from 2013-14.

CTE Reports

- CT.001.00-X: CTE Biennial Review – Career Cluster
- CT.002.00-X: CTE Biennial Review – Enrollment
- CT.003.00-X: Dual Credit – Course Enrollment
- CT.004.00-X: Dual Credit – Student Participation
- CT.005.00-X: Dual Credit – Average Credits
- CT.006.00-X: Dual Credit – Pass Rate

Note: Dual Credit reports and other new reports are featured in our newsletter, *STARS Connections.*

Accountability Reports

- AC.009.03-X: SPI Details Panorama

- AC.015.00-X: Proficiency by Grade

- AC.022.00-A: Student Level Report – Projected FAY

Other Reports

- OT.002.00-S: STARS Security – Org Role Updater

- OT.003.01-S – Infinite Campus Connection

- OT.008.01-S: District Access Tracker

Note: Most of the Accountability Reports are removed from the site during the summer prior to the release of the Report Card while SDDOE finalizes the data. The reports will be available once the Report Card has been released.

- Districts determine which users have access to the system and what level of permissions they have
- Ability to limit what students users see. For most districts...
  - Teacher sees classroom
  - Principal sees school
  - Superintendent sees district

Key District Personnel

STARS Account Manager (SAMs)	Data STARS	STARS Certified Trainers
Assist with account management. Has the ability to create, approve, manage, and remove accounts in SD-STARS. SAMS are named in the Ed Directory.	Using Train-the-Trainer model, these individuals are targeted for trainings/support that would give them the skills and resources to train users in their districts.	Usually contractors, these individuals are "certified trainers" for SD-STARS. They have to attend a summer workshop and monthly meetings on SD-STARS.

Districts can request that non-district users have temporary access to data in SD-STARS. Often these people are SST, SPP, or instructional coaches. Districts should complete the "Permission to Access SD-STARS Form" and send to STARSHelp@state.sd.us.

Permission to Access SD-STARS Form

School districts can use this form to permit non-district users to have access to data in SD-STARS. This temporary access should be for the purpose of training the staff of a school or district. The district should fill out, sign, and return this form no later than **one week** prior to the beginning date of access. To return the form, email it to STARSHelp@state.sd.us or mail it to the following address.

SD-STARS staff, SD Dept. of Education
800 Governors Drive
Pierre, SD 57501

IMPORTANT:
- The form should be sent by a district representative (rather than the individual receiving access) and the principal or superintendent should be cc'd on the email if they are not the ones sending...

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Trainings and Communication

State Provided Resources for Districts

- For SAMS and Data STARS
  - Regional Trainings & Webinars
  - Periodic webinars
  - Listservs
- Conference presentations
- Bi-monthly newsletter
- STARS Advisory Group – District reps that give feedback on the system
- STARS Support – Assist with user issues and report requests

SD-STARS Manual

- Found in the Training Center

STARS ACCOUNT MANAGER RESOURCES

These resources were developed to help districts STARS Account Managers (SAMs).

▶ STARS Manual

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Logging in to SD-STARS

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Logging in with @k12 email addresses

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Logging Into SD-STARS

- Website: https://doestars.sd.gov

- User Name: Email Address

- Password Assistance: Help@k12.sd.us

Users with @K12 email addresses now use the same password for emails and SD-STARS!

Logging in with other email addresses

Logging Into SD-STARS

- Website: https://doestars.sd.gov

- User Name: Email Address

- Password: Set by you

Navigating SD-STARS

SD-STARS District Manual

Section 7

Demonstration in SD-STARS Training Environment

How SD-STARS Can Help Title Directors

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- Title Goals
  - Reading/Math

  - Attendance

  - Graduation

- DIBELS and AIMSweb – reports that show changes in scores

LA.006.00-X - Aggregate Growth

School Year: 2015-2016
District: Sample District 00-0
School: All Schools
Assessment: DIBELS
Subject: LANGUAGE
Subtest: COMPOSITE
Grade: Third Grade & Fourth Grade

If no students are in a category (ex: Intensive), the category will not appear.

Districts need to sign permission form

Grade	Fall Level	Fall #	Winter Level	Winter #	Winter %	Spring Level	Spring #	Spring %
03	Benchmark	26	Benchmark	22	84.62 %	Benchmark	0	0.00 %
			Strategic	3	11.54 %	Strategic	0	0.00 %
			Intensive	1	3.85 %	Intensive	0	0.00 %
	Strategic	8	Benchmark	5	62.50 %	Benchmark	0	0.00 %
			Strategic	2	25.00 %	Strategic	0	0.00 %
			Intensive	1	12.50 %	Intensive	0	0.00 %
	Intensive	13	Benchmark	3	23.08 %	Benchmark	0	0.00 %
			Strategic	4	30.77 %	Strategic	0	0.00 %
			Intensive	6	46.15 %	Intensive	0	0.00 %

- Attendance Demographics

- Student Attendance List

Chronic Absentee Enhancement

AT.002.00-A – Student Attendance List

School: All Schools
School Year: 2015-2016
Grade Level: PK, KG, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12

Gender: F, M
Ethnicity: WH, IN, HI, BL, AS, PI, TR
LEP: N, Y
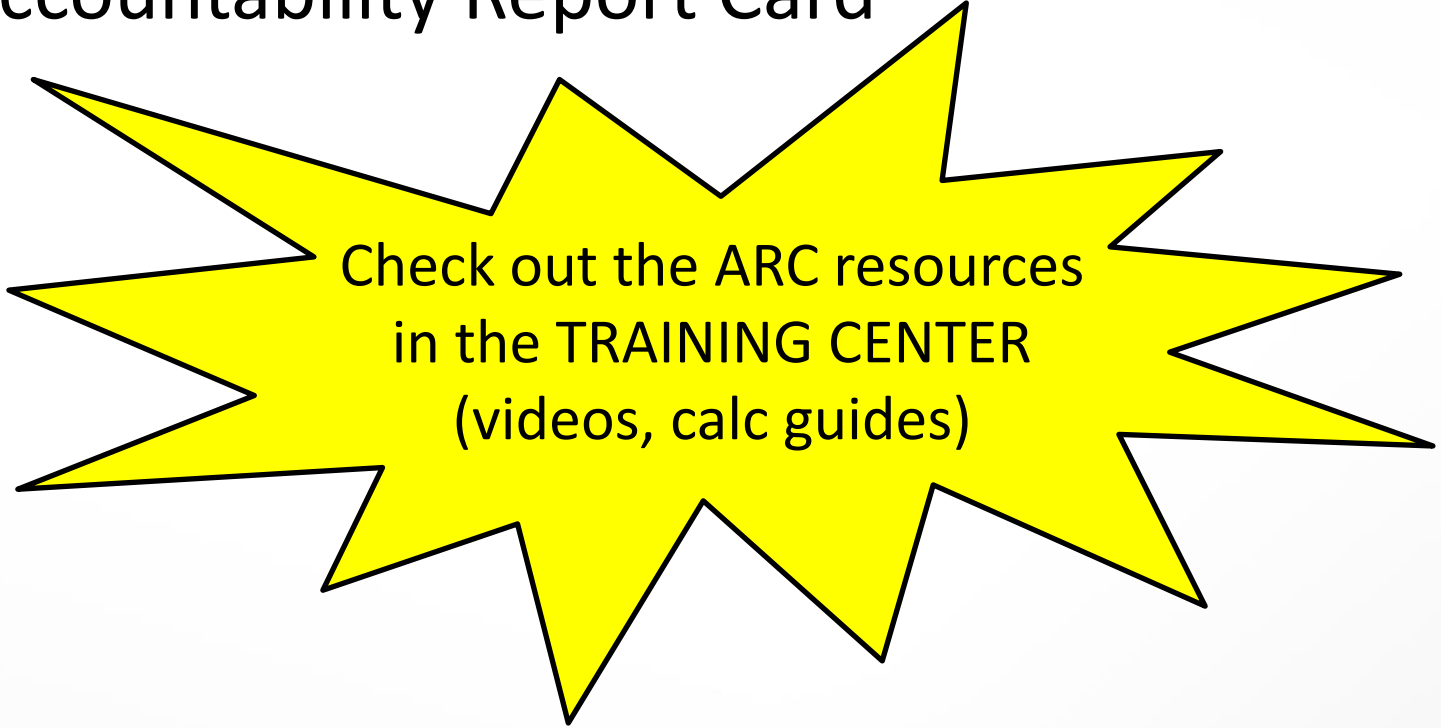
Disability: N, Y

Student Name ⇕	Grade ⇕	Gender ⇕	Race / Ethnicity ⇕	LEP ⇕	Disability ⇕	Enrolled Days ⇕	Absent Days ⇕	Average Daily Attendance Rate ⇕	Attendance Status ⇕
Student Count: 4949						751,350	34,047.55	95.47 %	
Student 1	11	Male	Hispanic	N	Y	168	5.27	96.86 %	Good
Student 2	12	Male	White	N	N	172	20.41	88.13 %	Chronic
Student 3	11	Female	White	N	N	172	15.76	90.84 %	Warning
Student 4	09	Female	Mixed Race	N	N	172	8.76	94.91 %	Warning
Student 5	09	Male	White	N	N	173	0.50	99.71 %	Good
Student 6	05	Female	White	N	N	173	4.74	97.26 %	Good
Student 7	06	Female	White	N	N	173	1.50	99.13 %	Good

- ACT Stoplight
- Early Warning Report

				Attendance			Course Performance						Other		
Last Name ⇕	First Name ⇕	State ID ⇕	Prior Year Risk	# Absences / YTD ⇕	Repeated Grade ⇕	Not Proficient ELA in Most Recent State Test ⇕	Not Proficient in Math in Most Recent State Test ⇕	Low HS Cum. GPA ⇕	Failed HS Courses ⇕	Not Enough HS Credits ⇕	Mobile Student ⇕	# of Red Flags ⇕	# of Yellow Flags ⇕
Last Name	First Name	111111111				Level 2	Level 1					2	1
Last Name	First Name	222222222		24.11			Level 2					2	1
Last Name	First Name	333333333			1	Below Basic	Basic			8.50		4	1
Last Name	First Name	444444444								7.00		1	0
Last Name	First Name	555555555		10.68		Level 2	Level 1	1.58				3	2
Last Name	First Name	666666666			1	Level 2	Level 2	1.62	6			5	1
Last Name	First Name	777777777			12-Twelfth Grade		Level 2			3			1
Last Name	First Name	888888888							2			1	0
Last Name	First Name	999999999		55.32		Level 1	Level 1		11	0.00	Y	7	1
Last Name	First Name	000000000		32.65		Basic	Basic	0.67	12	6.50		6	1

02072ii-Geometry*/S-2
04001ii-WldGeog/Cult/Hist/S-2
05154ii-Intro to Art/S-2

- Mobility Report

- Assessment Feedback Report

- Accountability Report Card

Check out the ARC resources
in the TRAINING CENTER
(videos, calc guides)

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ANSWERING QUESTIONS IN SD-STARS

Reports vs. Data Sets

SD-STARS data are available to users via reports.

If there isn't a report, the data are not available (ex: PRF, finances). When a report isn't available, you have two options:

Develop a Report

- Look at specific data frequently
- Takes time and money to develop
- Requests are approved by data governance
- Can be made available to users from DOE to teachers

Request a Data Set

- Look at specific data once or twice
- Requests go to Data Management http://doe.sd.gov/ofm/datarequest.aspx
- Data may or may not come from SD-STARS
- Requires data analysis skills

Asking/Answering Questions

Ask a question

Select a report

Select Parameters

Locate data

Answer question
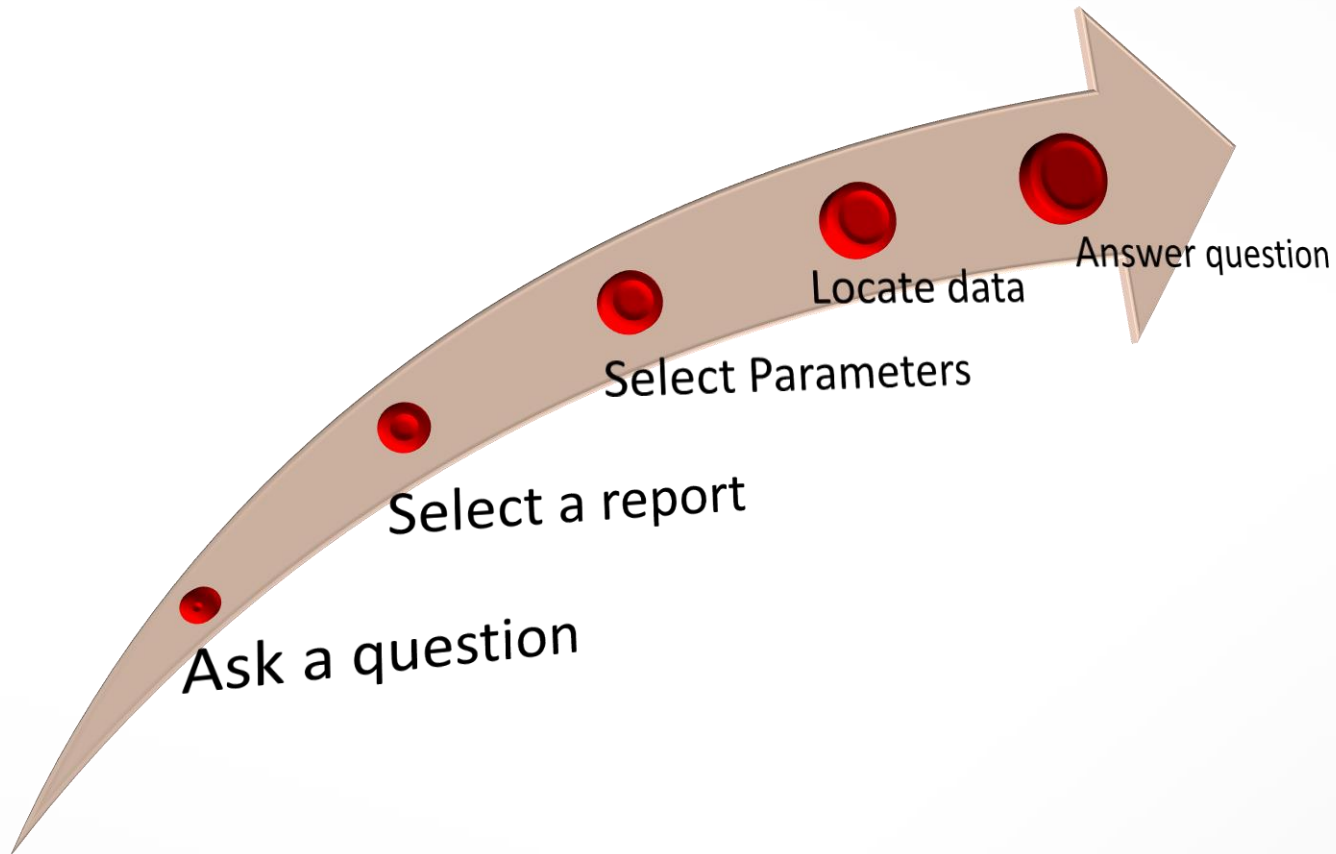
What primary disabilities were represented by Special Education students in 2015-16?

For this question, I am interested in as much historical data I can find for students who were enrolled in Special Education for 2015-16.

Select Report

STARS REPORTS RESOURCES

Learn more about the STARS Reports. This section contains available Data Interpretation Guides (DIGs) as well as video tutorials.

Enrollment Data Interpretation Guides (DIGs) and Videos

▶ EN.001.00-X - Enrollment Demographics Report DIG
▶ EN.001.00-X - Enrollment Demographics Report (Video)
▶ EN.002.00-A - Student Enrollment List Report DIG
▶ EN.002.00-A - Student Enrollment List Report (Video)
▶ EN.003.01-A - Student Profile Report DIG
▶ EN.004.00-X - Withdrawal Reason Analysis Report DIG
▶ EN.004.00-X - Withdrawal Reason Analysis Report (Video)
▶ EN.005.00-A - Student Withdrawal List Report DIG
▶ EN.005.00-A - Student Withdrawal List Report (Video)
▶ EN.006.00-A - Mobility Report DIG
▶ EN.007.00-X - Fall Enrollment Aggregate Report DIG
▶ EN.007.00-X - Fall Enrollment Aggregate Report (Video)
▶ EN.008.02-A - McKinney-Vento Student Count Report DIG
▶ EN.009.00-X - Special Education Trend Report DIG
▶ EN.009.00-X - Special Education Trend Report (Video)

Assessment Data Interpretation Guides (DIGs) and Videos

▶ AS.001.01-A - Achievement Cut Score Report DIG

EN.009.00-X

Special Education Trend

Data Interpretation Guide (DIG)

EN.009.00-X – Special Education Trend

School: Sample School   Gender: F, M

School Year: 2014-2015   Ethnicity: WH, IN, HI, BL, TR

Grade Level: PK, KG, 01, 02, 03, 04, 05,   LEP: N, Y
06, 07, 08, 09, 10, 11, 12

Primary Disability	2014 - 2015 #	2014 - 2015 %	2013 - 2014 #	2013 - 2014 %	2012 - 2013 #	2012 - 2013 %	2011 - 2012 #	2011 - 2012 %	2010 - 2011 #	2010 - 2011 %
Autism Spectrum Disorder	6	27.27%	4	13.79%	4	12.50%	3	11.11%	5	16.67%
Cognitive Disability	2	9.09%	1	3.45%	1	3.13%	3	11.11%	1	3.33%
Developmental Delay		.00%	1	3.45%	1	3.13%		.00%	2	6.67%
Emotional Disturbance	1	4.55%	3	10.34%	6	18.75%	4	14.81%		.00%
Multiple Disabilities		.00%	2	6.90%	1	3.13%		.00%	4	13.33%
Other Health Impaired	2	9.09%	1	3.45%	1	3.13%	1	3.70%	2	6.67%
Specific Learning Disability	10	45.45%	9	31.03%	9	28.13%	8	29.63%	5	16.67%
Speech/Language	1	4.55%	7	24.14%	8	25.00%	8	29.63%	11	36.67%
Vision Loss		.00%	1	3.45%	1	3.13%		.00%		.00%
Sample School Total	22		29		32		27		30	

Quick Reference

This document provides a quick reference for the *Special Education Trend Report (EN.009.00-X)*. The report provides aggregate counts of current students who are in Special Education. Users can select particular demographics (race, gender, grade, LEP) as well as special ed program, special ed category, and primary disability.

The report is found under **ENROLLMENT REPORTS** in the **REPORTS** tab within SD-STARS.

Questions Report will Help Answer

- How many students are enrolled in each Special Education
- What are the primary disabilities seen in our students?
- How are special education students being served?

Similar to our question

Primary Disability	2015 - 2016		2014 - 2015		2013 - 2014		2012 - 2013		2011 - 2012	
	#	%	#	%	#	%	#	%	#	%
Autism Spectrum Disorder	3	5.00%	4	8.33%	5	8.93%	5	9.09%	3	5.66%
Cognitive Disability	7	11.67%	8	16.67%	9	16.07%	4	7.27%	6	11.32%
Emotional Disturbance	13	21.67%	10	3%	5	8.93%	16	29.09%	10	18.87%
Multiple Disabilities		.00%								.00%
Other Health Impaired	5	8.33%							2	3.77%
Specific Learning Disability	30	50.00%							31	58.49%
Traumatic Brain Injury	2	3.33%	1	8%	1	1.79%	1	1.82%	1	1.89%
Sample School Total	60		48		56		55		53	

The first two columns of data displays enrollments for each primary disability in 2015-16.

Percent of Students by Special Education Indicator
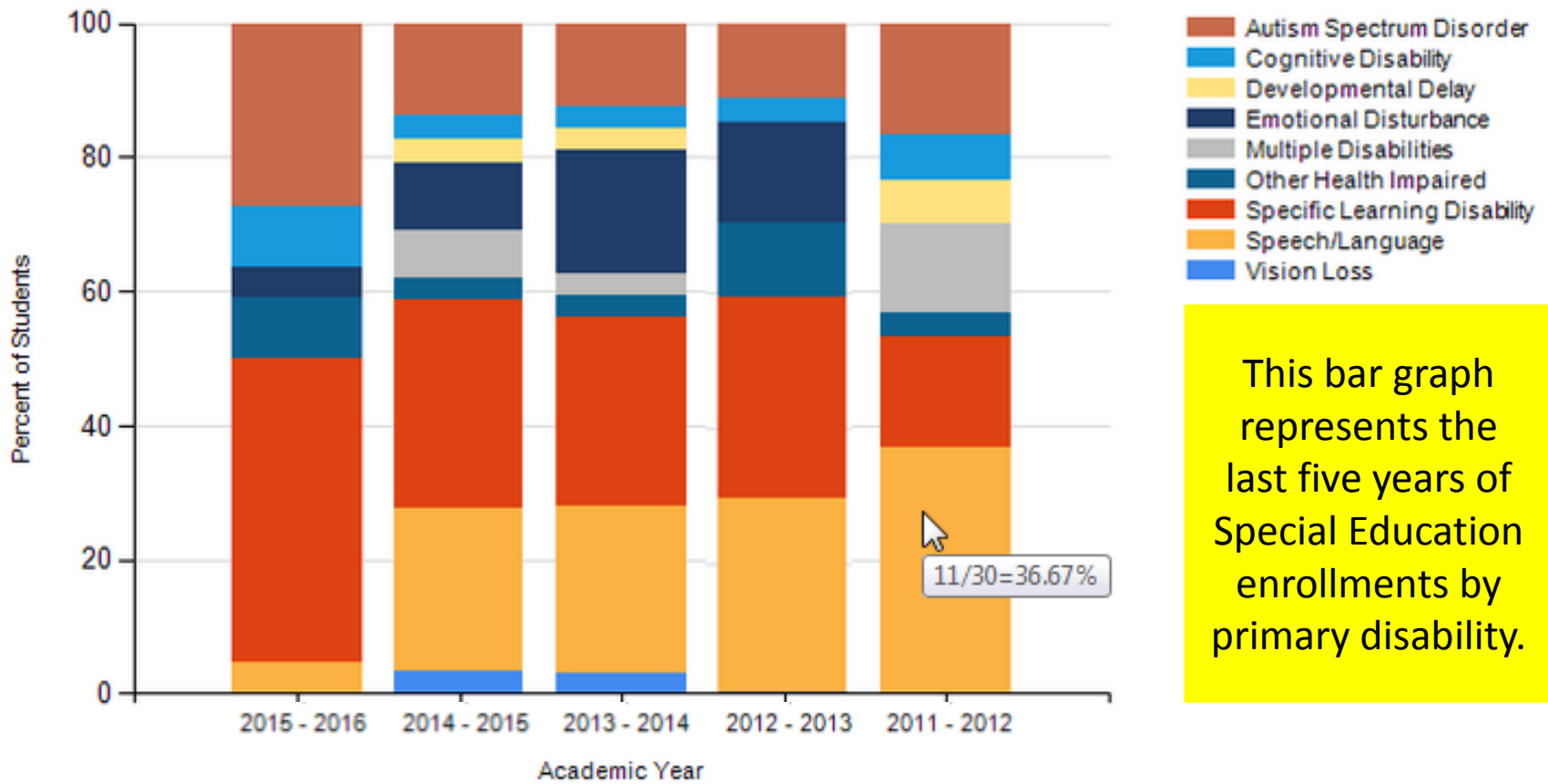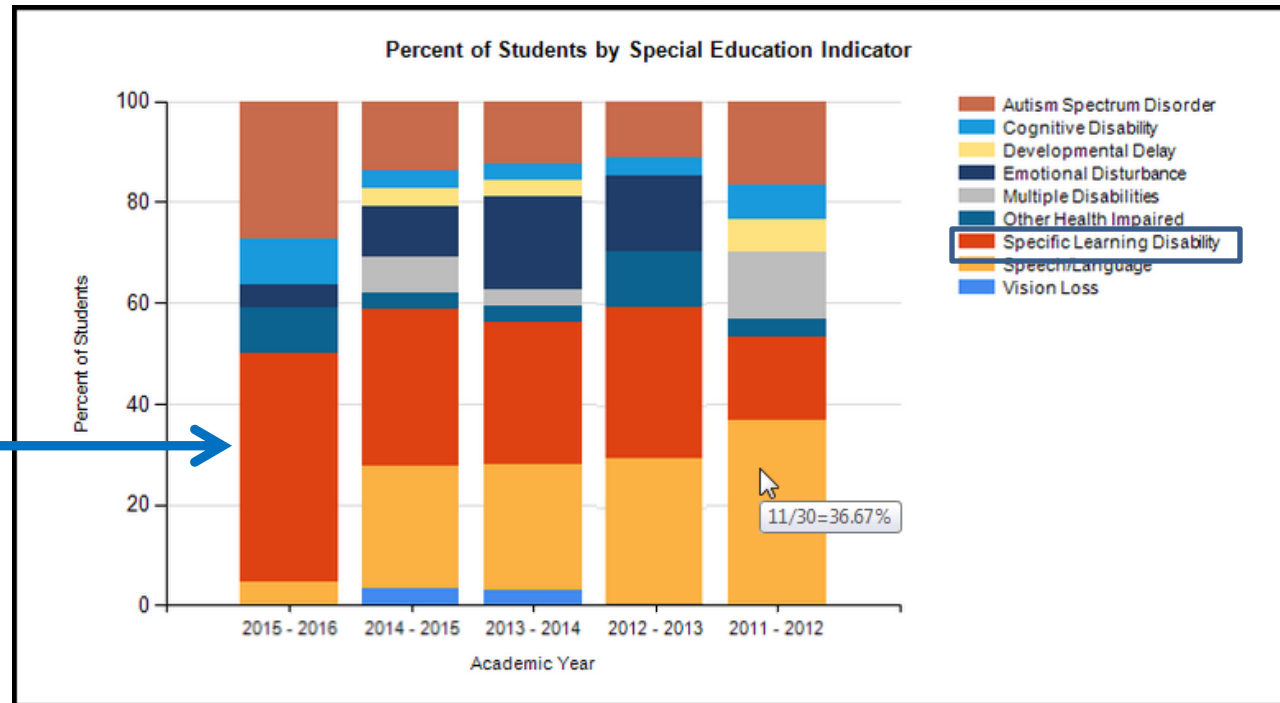
This bar graph represents the last five years of Special Education enrollments by primary disability.

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Answer question

What primary disabilities were represented by Special Education students in 2015-16?

Most prevalent: Specific learning disabilities.

Percent of Students by Special Education Indicator

- Autism Spectrum Disorder
- Cognitive Disability
- Developmental Delay
- Emotional Disturbance
- Multiple Disabilities
- Other Health Impaired
- Specific Learning Disability
- Speech/Language
- Vision Loss

11/30=36.67%

Further questions could include:
- How does this compare with enrollments of past years?
- Of the most prevalent disabilities in the district, what Special Education programs & categories are the students enrolled in?

Training Environment: Achievement Cut Score Report

<u>In groups of 2-3 people</u>

- Choose one of the Training Environment Report DIGs

    – Complete a book report form

Share with the Group

Upcoming Projects/Reports

- Student Profile Report Enhancements
  - Post-Secondary Readiness information
  - English Language
  - Local Assessments
- STARS Analytics
- Data Events

Who would use this report?

– Administrators

– Teachers

– SPED Personnel

– School Counselors

– Data Management Team

– STARS Account Managers (SAMs)

When would the report be most useful?

- ☐ Annual Performance Report
- ☐ Curriculum Analysis
- ☐ Data Retreats
- ☐ Planning for next School Year
- ☐ Post-Secondary Readiness
- ☐ Public Requests
- ☐ SPED Reporting

- ☐ Student Intervention
- ☐ Summer Analysis
- ☐ Informing Instruction
- ☐ New Student
- ☐ Parent-Teacher Conference
- ☐ Student Learning Objectives (SLO)
- ☐ Other Data Event or time of year

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STARS Certified Trainers

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New SCT Workshop:
July 25, 2017-Pierre

❑ STARS Account Managers (SAM) Listserv

  ➢ www.k12.sd.us/MailingList; scroll down to Department of Education Mailing List →Stars Account Managers

  ➢ Or email ListManager@k12.sd.us with 'Subscribe StarsAccountManagers' in body of message

❑ Data STARS Listserv

  ➢ www.k12.sd.us/MailingList; scroll down to Department of Education Mailing List →Data STAR

  ➢ Or email ListManager@k12.sd.us with 'Subscribe DataSTARS' in body of message

Contact Information

SD-STARS Website: http://doe.sd.gov/SDSTARS/

STARS Connections (Bi-Monthly Newsletter):
http://doe.sd.gov/publications.aspx

South Dakota Department of Education
800 Governors Drive
Pierre, SD 57501

Support Lead	*Project Manager*	*Project Manager*
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